

US 20040259923A1

(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2004/0259923 A1 Inoue et al.

(43) Pub. Date: Dec. 23, 2004

(54) THIAZOLE DERIVATIVES

(75) Inventors: Takayuki Inoue, Osaka (JP); Takashi Tojo, Osaka (JP); Masataka Morita, Osaka (JP); Mitsuru Ohkubo, Osaka (JP); Kousei Yoshihara, Osaka (JP); Akira Nagashima, Osaka (JP)

> Correspondence Address: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314 (US)

(73) Assignce: Fujisawa Pharmaceutical Co. Ltd., Osaka (JP)

(21) Appl. No.: 10/764,529

(22) Filed: Jan. 27, 2004

Related U.S. Application Data

Provisional application No. 60/442,509, filed on Jan. 27, 2003. Provisional application No. 60/458,369, filed on Mar. 31, 2003. Provisional application No. 60/517,377, filed on Nov. 6, 2003.

Publication Classification

(51) Int. Cl.⁷ A61K 31/427; A61K 31/426; C07D 417/02

(52) U.S. Cl.514/370; 548/181; 548/190

(57)ABSTRACT

A compound of the formula (I): R1-NH-X-Y-Z (I) wherein each symbol is as defined in the specification, or a pharmaceutically acceptable salt thereof useful as a vascular adhesion protein-1 (VAP-1) inhibitor, a pharmaceutical composition, a method for preventing or treating a VAP-1 associated disease, especially macular edema, which method includes administering an effective amount of the compound or a pharmaceutically acceptable salt thereof to a mammal, and the like.